



SEQUENCE LISTING

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<110> Cornell-Bell, Ann H.
        Pemberton, Karen E.
        Temple Jr., Davis L.
       Layer, Richard T.
       McCabe, R. Tyler Jones, Robert M.
       Cognetix, Inc.
<120> Uses of Kappa-Conotoxin PVIIA
<130> Kappa-PVIIA
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<150> US 60/219,438
<151> 2000-07-20
<150> US 60/155,135
<151> 1999-09-22
<160> 25
<170> PatentIn Ver. 2.0
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<221> PEPTIDE
<222> (1)..(27)
<223> Xaa at residue 2, 7, 18/19, 22 and 25 may be Arg, homoarginine, ornithine, Lys, N-methyl-Lys,
       N, N-dimethyl-Lys, N, N, N-trimethyl-Lys, any synthetic basic amino acid, His or halo-His; Xaa
       at residue
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<223> 4 may be Pro or Myp; Xaa at residue 9 and 23 may
be Phe, Tyr, meta-Tyr, ortho-Tyr, nor-Tyr,
       mono-halo-Tyr, /di-halo-Tyr, O-sulpho-Tyr,
       O-phospho-Tyr,/nitro-Tyr, Trp (D or L), neo-Trp,
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Ser Arg Lys Cys Asn Ala Phe Asn Lys Cys Val
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Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
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<210 9 <211 > 27

<**2**13> Conus purpurascens



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Ala Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
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Ser Arg Lys Cys Asn/Arg Phe Ala Lys Cys Val
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Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Nal
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Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys Val
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Cys Arg Ile Xaa Ash Gln Lys Cys Phe Gln His Leu Asp Asp Cys Cys
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Cys Arg Ile Ala Asn Gln Lys Cys Phe Gln Hi/s Leu Asp Asp Cys Cys
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Ser Arg Lys Cys Asn Arg Phe Asn Lys Cys 20 25
                                          Val
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